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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of the claims in the application:

LISTING OF THE CLAIMS:

Claims 1-4. (canceled).

Claim 5. (previously presented) A recombinant RNA plant virus comprising a nucleotide sequence encoding bovine lysozyme capable of replicating in and systemically infecting a plant without another virus while expressing a biologically active lysozyme protein in a whole plant.

Claim 6. (previously presented) The plant virus of claim 5 wherein the nucleotide sequence encodes bovine lysozyme having the amino acid sequence of SEQ ID NO:2.

Claim 7. (previously presented) An RNA molecule comprising:

- (a) a first viral subgenomic promoter;
- (b) a second viral subgenomic promoter; and
- (c) a lysozyme coding sequence under control of either the first or the second subgenomic promoter

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wherein said RNA molecule is capable of transiently infecting a plant cell and systemically infecting the plant without another virus while expressing biologically active lysozyme protein in the whole plant.

Claim 8. (previously presented) The RNA molecule of claim 33 wherein the coding sequence encodes the amino acid sequence of SEQ ID NO:2.

Claim 9. (previously presented) A recombinant tobamovirus comprising a nucleotide sequence encoding bovine lysozyme capable of replicating in and systemically infecting a plant without another virus while expressing an active lysozyme protein in a whole plant.

Claim 10. (previously presented) The tobamovirus of claim 9 wherein the lysozyme has the amino acid sequence of SEQ ID NO:2.

Claims 11-32. (canceled).

Claims 33. (currently amended) The RNA molecule of claim 7 or the recombinant tobamovirus of claim 9 wherein said lysozyme is bovine lysozyme.

Claim 34. (new) A plant that is transiently infected with a virus that replicates in and systemically infects the plant, wherein the virus contains a nucleotide sequence encoding lysozyme, and wherein the plant produces biologically active lysozyme.

Claim 35. (new) The plant of claim 34 wherein the virus does not integrate into the plant cell DNA.

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Claim 36. (new) The plant of claim 34 wherein the biologically active lysozyme is secreted into the interstitial fluid.

Claim 37. (new) The plant of claim 34 wherein the lysozyme is bovine lysozyme.

Claim 38. (new) The plant of claim 34 wherein the virus is a tobamovirus.

Claim 39. (new) The plant of claim 38 wherein the tobamovirus is TMV.